



Application for Licence Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L7827/2001/6
Licence Holder	Abbotts Liquid Salvage Pty Ltd
ACN	125 634 004
File Number	DWERVT7258
Premises	Abbotts Liquid Salvage 35494 Albany Highway Legal description – Part of Lot 4638 on Deposited Plan 157018 As defined by the Premises maps attached to the Revised Licence
Date of Report	03 September 2021
Decision	Revised licence granted

STEPHEN CHECKER

MANAGER, WASTE INDUSTRIES

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

Licence L7827/2001/6 is held by Abbotts Liquid Salvage Pty Ltd (Licence Holder) for the Abbotts Liquid Salvage (the Premises), located at 35494 Albany Highway, being part of lot 4638 on Plan 157018

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L7827/2001/6 has been granted.

The Revised Licence has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Amendment summary

On 28 July 2021, the Licence Holder submitted an application to the department to amend Licence L7827/2001/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- to allow for the transfer of the treated effluent wastewater from the treated effluent storage dam into the leachate storage dam during current emergency as freeboard of the treated effluent pond is about to be compromised.

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table 1 below. Table 1 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 1: Licence Holder controls

Emission	Sources	Potential pathways	Proposed controls
Noise	Water pump/on site machinery	Air/windborne pathway	Applicant has committed that operations will comply with the Environmental Protection (Noise) Regulations 1997.
Leachate	Overflow of leachate from spillway	Seepage to soils and groundwater	Spillway constructed to meet not less than 1×10^{-8} m/s permeability with bunds surrounding the spillway constructed of concrete and minimum 150mm high.
Spills and leaks when transferring treated effluent wastewater	Pump malfunction, leaking pipe and leachate dam breach resulting in the discharge of treated effluent wastewater	Direct discharge onto land	<p>None proposed</p> <p>Current licence conditions to control discharge to land:</p> <p>Condition 4 table 3: the composting facility's leachate storage dam has a freeboard of at least 500mm to prevent overflowing;</p> <p>Condition 6: requires the licence holder to manage all the wastewater treatment ponds;</p> <p>Condition 12 which ensures the treated effluent wastewater is of a certain quality prior to discharging via irrigation.</p>

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies and is provided for under other state legislation.

Table 22 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 2: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Residence	Located approximately 1km east and 1.350km southwest of the Premises.
Environmental receptors	Distance from prescribed activity
Groundwater	Bores located around the existing Premises indicate that groundwater within the area is approximately 12m - 14m below ground level.
Public Drinking Water Source Area (PDWSA)	The Premises itself is located less than 50m from the boundary of a Priority 2 PDWSA.
Creeks – ephemeral	There are seasonal creeks located approximately 1.5km east, 1.5km southeast and 2km southwest of

	<i>the Premises.</i>
<i>Surface waters</i>	<i>There are several dams located on neighbouring agricultural properties, the closest of which is located approximately 700m southeast of the Premises.</i>

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

The Revised Licence L7827/2001/6 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 3. Risk assessment of potential emissions and discharges from the Premises during operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operation								
Transfer of the treated effluent wastewater into the composting facility leachate collection dam	Noise	Air/windborne pathway causing impacts to health and amenity	Located approximately 1km east and 1.350km southwest of the Premises	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	NA	N/A
	Overflow of leachate contaminated stormwater	Overland runoff potentially causing soil contamination ecosystem disturbance or impacting surface water and groundwater quality.	Vegetation adjacent to discharge area, groundwater, seasonal creeks located approximately 1.5km east, 1.5km southeast and 2km southwest of the Premises. The Premises is located less than 50m from the boundary of a Priority 2 PDWSA.	Refer to Section 3.1	C = Minor L = Unlikely Medium Risk	Y	Condition 1, 2, 3, 4, 7, 19, 22 and 29 <u>Additional licence conditions added to the licence to allow for the transfer of the treated effluent wastewater:</u> <u>Table 2 amended to allow for the transfer of treated effluent into the composting facility leachate storage dam and to ensure leachate from the composting facility is contained within the spillway.</u>	The Delegated Officer considers the that the Licence Holder's proposed controls are critical to maintaining an acceptable level of risk, therefore these will be incorporated into the licence as regulatory controls.
	Pump malfunction, leaking pipe and leachate runoff dam breach	Overland runoff potentially causing soil contamination ecosystem disturbance or	Vegetation adjacent to discharge area, groundwater, seasonal	Refer to Section 3.1	C = Minor L = Unlikely Medium Risk	Y	Condition 1, 2, 3, 4, 17, 22 and 29. <u>Additional licence conditions added to the licence to allow for the transfer of the treated</u>	The Delegated Officer considers the that the Licence Holder's proposed controls are critical to

Licence: L7827/2001/6

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
	<i>resulting in the discharge of treated effluent wastewater</i>	<i>impacting surface water and groundwater quality.</i>	<i>creeks located approximately 1.5km east, 1.5km southeast and 2km southwest of the Premises. The Premises is located less than 50m from the boundary of a Priority 2 PDWSA.</i>				<u>effluent wastewater:</u> <u>Table 2 amended.</u> <u>Table 11 amended, now requiring the licence holder to report to the CEO total volume of treated effluent water transferred into the composting facility leachate storage dam</u>	<i>maintaining an acceptable level of risk, therefore these will be incorporated into the licence as regulatory controls.</i>

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed Licence Holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 4 provides a summary of the consultation undertaken by the department.

Table 4: Consultation

Consultation method	Comments received	Department response
<i>DoH</i>	<i>The applicant provided email confirmation dated 16 August 2021 from the DOH that their position has not changed regarding P1C2 compost product not requiring DOH approval for agricultural use.</i>	<i>Noted</i>
<i>Licence Holder was provided with draft amendment on 30 August 2021</i>	<i>Refer to Appendix 1</i>	<i>Refer to Appendix 1</i>

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

5.1 Summary of amendments

Table 5 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 5: Summary of licence amendments

Condition no.	Proposed amendments
<i>Condition 3</i>	<i>A new row has been added to Table 2. Item 1 – Liquid waste emergency discharge requirements</i>
	<i>A new row has been added to Table 2. Item 2 – additional composting requirements during the duration of the emergency discharge.</i>
<i>Condition 29</i>	<i>A new row has been added to Table 12. The licence holder will be required to provide total volume of treated effluent wastewater transferred into the composting facility leachate storage dam.</i>
<i>Definitions Table 14</i>	<i>A new row has been added to Table 14, defining the meaning of emergency discharge</i>

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.
4. DWER, June 2019. *Guideline: Decision Making*. Department of Water and Environmental Regulation, Perth.

Appendix 1: Summary of Licence Holder's comments on risk assessment and draft conditions

Condition	Summary of Licence Holder's comment	Department's response
Condition 3, Table 2 Row 1 – Liquid waste	Removal of wording “once off” in the process column and the removal of any “time frame” in the process limits Column, thus allowing this as an emergency option only in the event freeboard storage is compromised in the future.	Request not adopted. Repeated emergency discharge of treated effluent not supported as composting leachate dam was approved under works approval for retention of composting leachate only. Potential compromise of leachate dam capacity, potential for future effluent discharge to be incorporated in compost etc has not been considered in this assessment. The Delegated is aware that the licence holder has advised that the current level of rainfall/ compromise of freeboard has not occurred in over a decade of site operations. If freeboard is expected to be compromised on an ongoing basis, the installation of further (specific) liquid waste storage infrastructure should be considered
Condition 3, Table 2 Row 2 – Composting material	Removal of any “time frame” in the process limits Column, thus allowing this as an emergency option only in the event freeboard storage is compromised in the future.	As above
Condition 6 (a)	Additional wording to be added at the end of current wording (in this event emergency discharge as per table 14 definitions will be actioned).	As above
Condition 29, Table 12 Row 2	The removal of “once off” wording so that in the future if this is required to be actioned DWER are still notified in the AER for that year.	As above
Table 14, definition	For extreme rainfall event- please amend the wording from event	As above

Condition	Summary of Licence Holder's comment	Department's response
Row 8	to period.	
Decision Report Table 1 Row 2	Typographical error noted	Corrected

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY				
Application type				
Works approval	<input type="checkbox"/>			
Licence	<input type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Date Report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input type="checkbox"/>	Current works approval number:		
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L7827/2001/6	
		Relevant works approval number:	N/A	<input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:	None	<input type="checkbox"/>
Date application received	28/07/2021			
Applicant and Premises details				
Applicant name/s (full legal name/s)	Danial Abbott			
Premises name	Abbott's Liquid Salvage Pty Ltd			
Premises location	35494 Albany Hwy DROME WA 6330			
Local Government Authority	CITY OF ALBANY			
Application documents				
HPCM file reference number:	DWERTV7258			
Key application documents (additional to application form):	<i>Application form and other supporting information: Description of proposed activities Treated effluent monitoring results Amendment Fee paid receipt</i>			
Scope of application/assessment				

Summary of proposed activities or changes to existing operations.	The intent of this amendment is during an emergency (excessive rainfall event), to prevent the treated effluent ponds from overflowing, the spillway from the composting hardstand area to the leachate pond will be closed off and the treated effluent will be transferred across to the leachate ponds via pumps. Normally the treated effluent is irrigated during summer months.
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Category number/s (activities that cause the premises to become prescribed premises)

Table 1: Prescribed premises categories

Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 61: Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	20,000 tonnes per year	NA
Category 67A: Compost manufacturing and soil blending: premises on which organic material (excluding silage) or waste is stored pending processing, mixing, drying or composting to produce commercial quantities of compost or blended soils.	7,500 tonnes per year	NA

Legislative context and other approvals

Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: Expiry date: If N/A explain why? No planning approval necessary for this amendment.

Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: Licence/permit No: Licence / permit not required.
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: Swan Avon / Mid-West Gascoyne / Kwinana Peel / North West / South West / Goldfields / South Coast
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Priority: P1 / P2 / P3 / N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to <u>WQPN 25</u>)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA

<p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>CSS_SITE_ID</p> <p>639</p>	<p>Classification: Awaiting classification</p> <p>Date of classification: N/A</p>
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Direct interest stakeholders

<p>City of Albany</p>	<p>Letter to be sent Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p><i>DOH</i></p>	<p>Letter to be sent Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p><i>Land Owner</i></p>	<p>Letter to be sent Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>